

Report Plexos Project

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Report delivered:

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Abstract

1 Introduction

2 Theory

2.1 Methods in present work

2.2 intermittent resource handling

2.3 reservoir hydro handling

2.4 region exchange

2.4.1 Advantages

2.4.2 Disadvantages

2.5 investment initiatives for renewable sources

- investment support

One time financial support to cover part of the investment costs. The support is large enough to make the investment profitable. Some differences can be used for fine tuning, e.g. more support for wind power in areas with less wind.

 - advantages
 - * possibility of finetuning
 - disadvantages
 - * requires much capital at beginning
 - * no incentive to reduce
 - * limited security for investor
 - * in case of fine tuning: much administration
- tendering

Auction for a certain amount of capacity which shall be installed. Won by the offers requiring the lowest support. This initiative is also done as investment support, but with a tendering procedure. Providers are asked for support bids, the cheapest one gets the support.

 - advantages
 - * competition between suppliers, therefore lower costs than investment support
 - disadvantages
 - * same as investment support, but
 - * less predictability
 - * prone to corruption
- feed-in tariff
- premium
- green certificates

3 Analysis

4 Conclusion